

Quarterly Monitoring Report
for the
Universal Oil Products (UOP) Site
East Rutherford, NJ
EPA ID: NJD002005106

June 2007

Prepared for:

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Contents

General Overview	3
Status of Work.....	4
2.1 Remedial Actions Accomplished During Reporting Period	4
2.2 Site Area 1, 1A and 5	4
2.2 Site Area 2	5
2.3 Site Area 3 and 4	5
Activities Planned for Next Reporting Period	6
3.1 Site Areas 1, 1A and 5.....	6
3.2 Site Area 2	6
3.3 Site Area 3 and 4	6
Non-Compliance Reporting	7

Appendix

A	Quarterly Site Inspection Report
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General Overview

This progress report was prepared as a requirement of Section III of the May 23, 1986 Administrative Consent Order (ACO) between Universal Oil Products (UOP) Inc. and the New Jersey Department of Environmental Protection (NJDEP).

This progress report covers work performed from April 1, 2007 through June 30, 2007 for the UOP Site, East Rutherford, New Jersey.

Status of Work

2.1 Remedial Actions Accomplished During Reporting Period

Remedial activity has not occurred in Area 4. Soil remedial actions have been completed in Areas 1, 1A, 2 and 5. The New Jersey Sports and Exhibition Authority (NJSEA) is in the process of performing an interim remedial measure (IRM) in Area 3 (the lagoon) in conjunction with the Meadowlands Railroad and Roadway Improvement Project.

2.2 Site Area 1, 1A and 5

Former Temporary Cap Areas

In 2005, materials excavated from Lot 2, Block 104 (including Area 2), that were not identified as impacted, were placed in temporary cap areas (the western cap area (WCA) and the eastern cap area (ECA)). These cap areas were located on Lot 8, Block 105.01 and contained approximately 40,500 cubic yards of non-hazardous soil.

Under a certified Soil Erosion and Sediment Control Plan by Bergen County Soil Conservation District (File Ref: #05-B8225), appropriate erosion and sediment controls including silt fence and inlet protection were maintained. The majority of the UOP Site property has been sold to NJSEA, and Honeywell now only owns the 17 acres of the property west of the rail road tracks (Area 2). The Bergen County Soil Conservation District has closed out the Soil Erosion and Sediment Control Plan under Honeywell's name.

As discussed in previous monitoring reports, all soils were removed from both the WCA and ECA in 2006. Both the ECA and WCA were then covered with topsoil, re-graded, and hydroseeded in accordance with the Soil Erosion and Sediment Control Plan. No excavated soils remain in the ECA or WCA. The *Remedial Action Report for Areas 1, 1A, and 5* (August 31, 2000) will be amended and sent to the Agencies in 2007, in reference to the removal of all excavated soils from the ECA and WCA.

Permanent Cap (GCL) Area

Mowing and grubbing of vegetative matter on the GCL permanent cap was performed on June 22, 2007. Further information on the cap inspection activities is presented in Appendix A – *Quarterly Site Inspection Report*.

Other Activities

In 2006, a small field scale treatability test using Enzymmix®, a naturally derived enzyme extracted from earthworms, was conducted on soils from the Uplands Area containing PCBs. Additional treatability testing on sediments from Area 4 is scheduled to occur in summer 2007. Results from the treatability tests will be available in 2007.

2.2 Site Area 2

Area 2 has been covered by 3-feet of imported fill and six inches of asphalt pavement. A shopping center now occupies the majority of Lot 2, Block 104. A draft Deed Notice was submitted to NJDEP and USEPA on September 29th, 2006 for review. Comments have not yet been received from the Agencies.

Honeywell is in the process of obtaining as-built drawings of the shopping centers built on Area 2 to confirm that vapor barriers were installed during construction. This is in response to concerns in the most recent EPA Five Year Review of the UOP Site.

2.3 Site Area 3 and 4

The Meadowlands Railroad and Roadway Project is a new 2.3 mile railroad adjustment with station and associated roadway improvements to be developed by the NJSEA. New Jersey Transit (NJT) and the New Jersey Department of Transportation (NJDOT) are assisting the NJSEA in the design, management and construction of the project. The rail line will cross through the UOP site including the Streamlands area (Area 4), the waste water lagoon (Area 3) and the Uplands portion (Area 1 and 1A), connecting to the existing Pascack Valley Rail Line through the UOP site. As stated above, this portion of the site was sold to NJSEA in December 2006. Rail line construction activities began in the first quarter of 2007, including equipment staging and soil stockpiling. The Louis Berger Group, Inc., on behalf of the NJSEA, submitted an *Interim Remedial Measure Work Plan* to the Agencies in August 2006 that described the proposed interim remedial activities necessary prior to the construction of the rail line. The IRM began in March 2007 with the installation of a tide gate on the eastern side of the Ackermans Creek culvert under Murray Hill Parkway.

Honeywell submitted the *Area 4 Focused Study Sampling and Analysis of Sediments (Summer 2006) Work Plan for the Universal Oil Products (UOP) Site, East Rutherford, NJ*, to the Agencies on June 2, 2006. That Work Plan presented the proposed scope of work for sampling and analyzing sediment in and around selected areas of Area 4. The work described was the prioritized portion of the overall Remedial Investigation scope that was completed on an accelerated schedule due to the pending rail line construction activities. The Focused Study was completed in July 2006 and will be followed by additional RI activities. The full scale remedial investigation is tentatively scheduled for the fall of 2007. Timing of the proposed field events will be contingent on rail construction activities, and Honeywell obtaining access to the property for these events from NJSEA.

The *Sampling and Analysis of Surface Water and Sediments for the Universal Oil Products (UOP) Site, East Rutherford, NJ, Work Plan* was submitted to the Agencies in January 27, 2006. Due to the necessity of conducting the focused study on Area 4, that Work Plan will be revised and submitted as the *Revised Remedial Investigation Work Plan* upon receipt of Agency comments. The results of the Area 4 focused study work will be presented to the Agencies in the *Revised Remedial Investigation Work Plan* currently scheduled to be submitted in 2007.

Activities Planned for Next Reporting Period

3.1 Site Areas 1, 1A and 5

Routine site inspections will continue to assess the condition of the engineering controls (e.g., cap area) and security measures (e.g., fences). The asphalt pad can not be inspected due to the stockpiling of sediments from the NJSEA IRM activities on the pad. Inspections of the asphalt pad will continue once the stockpiles have been removed by NJSEA.

Mowing and grubbing of vegetative matter will be performed on the GCL permanent cap in the third quarter of 2007.

All former monitoring wells and sumps were properly abandoned via NJDEP guidelines in January 2007.

3.2 Site Area 2

No activities are scheduled for Area 2. Honeywell awaits Agency comments on the draft Deed Notice for Area 2.

3.3 Site Area 3 and 4

The NJSEA IRM began in March 2007, with the installation of a tide gate on the eastern side of the Ackermans Creek culvert under Murray Hill Parkway. Removal of sediments from the lagoon (Area 3) began in March/April 2007.

A bench scale treatability test on Area 4 sediments is scheduled for July and August 2007. Honeywell will collect sediments and surface water from Area 4 in July 2007 for shipment to the laboratories performing the treatability test. In conjunction with the collection of treatability test sediments, additional sediment cores may be taken from Area 4 to close data gaps identified during the focused study work. Honeywell will submit a Data Gap Work Plan to the Agencies prior to commencing the work. Timing of the proposed field events will be contingent on rail construction activities, and Honeywell obtaining access to the property for these events from NJSEA.

On June 6, 2007 NJSEA received a Discharge to Groundwater Permit from NJDEP. It is Honeywell's understanding that groundwater encountered during the excavation for storm and wick drains and during IRM activities will be treated onsite and spray irrigated on the permanent cap area by NJSEA under this permit. Honeywell will monitor any effects to the cap area as a result of the spray irrigation during the third quarter 2007 inspection.

Non-Compliance Reporting

There were no instances of non-compliance during the reporting period.

Appendix

Quarterly Site Inspection Report

PREPARED FOR: Rich Galloway/Honeywell International Inc
PREPARED BY: CH2M HILL
DATE OF INSPECTION: June 13, 2007

Observations / Action Items:

1.0 Cap Areas

Mowing and Grubbing:

Significant grass and brush growth has occurred since the last visit in March 2007. The last mowing and grubbing of vegetative matter was performed on the GCL permanent cap on September 11, 2006. CH2M HILL has scheduled mowing and grubbing for June 22, 2007. Further mowing will likely be necessary through the fall 2007.

The Eastern Cap Area (ECA) was hydroseeded and the Western Cap Area (WCA) was covered with topsoil, seeded and hayed, after the soil loadout was completed in the 4th quarter 2006. The ECA is now being used as an equipment staging area by NJSEA and the WCA appears to be a parking and storage area. There is no significant evidence of vegetative growth on the two areas.

Erosion:

Six rodent holes were identified within the soil cover of the GCL permanent cap during the June 2007 inspection. These holes will be filled in with stone during the next mowing event on June 22, 2007.

Drainage Swale:

The stormwater swales are generally in good condition, however they have significant vegetative growth that will be cleared and grubbed during the next mowing event on June 22, 2007. No ponding water was noted during the inspection.

2.0 Drainage Structures

Ponding of stormwater around the perimeter of GCL permanent cap was noted in the previous inspection, but no ponding water was noted during the latest inspection. Site stormwater drainage and conveyance structures appear to be operating effectively.

3.0 Security

The lock and chain to the gate of the GCL permanent cap area is present and functional, but is rusted. The southwest corner of the fence is bent inwards, though still standing and no

gaps in the fence are present. The bent fence is likely the result of large vehicle traffic in the area due to NJSEA rail line construction activities.

4.0 Existing Monitoring Wells

There are no existing monitoring wells at the Site. All wells have been properly abandoned.

5.0 Asphalt Pad

Access to the asphalt pad was limited due to NJSEA activities. Sediments from the NJSEA IRM are currently stockpiled on the asphalt pad, obscuring it from view. The condition of the asphalt pad will be noted once the stockpiled sediments are removed.

6.0 Construction Area

The fenced construction area formerly used by Union Paving is no longer in use. All equipment, materials and fencing was removed by Union Paving between April and October 2006.



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.	Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 323956
Photo No. 1	Date: 06/13/07	
Description: Top of GCL Cap System looking East		
Action Needed: Mowing		
Photo No. 2	Date: 06/13/07	
Description: Top of GCL Cap System looking West		
Action Needed: Mowing		



PHOTOGRAPHIC LOG

Client Name:
Honeywell Inc.

Site Location:
UOP Site, Bergen County, East Rutherford, NJ

Project
Number:
327386

Photo No. Date:
3 06/13/07

Description:
West half of GCL
Cap System looking
North



Action Needed:
Mowing

Photo No. Date:
4 06/13/07

Description:
West half of GCL
Cap System looking
South



Action Needed:
Mowing



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 5	Date: 06/13/07	 A photograph showing a grassy field with a red excavator visible in the background. The field is covered in green grass and some small white flowers. The sky is overcast.	
Description: West half of GCL Cap System swale looking South			
Action Needed: Mowing and grubbing			
Photo No. 6	Date: 06/13/07	 A photograph showing a grassy field with a building visible in the background. The field is covered in green grass and some small white flowers. The sky is overcast.	
Description: North half of GCL Cap System swale looking East			
Action Needed: Mowing and grubbing			



PHOTOGRAPHIC LOG

Client Name:
Honeywell Inc.

Site Location:
UOP Site, Bergen County, East Rutherford, NJ

Project
Number:
327386

Photo No. | Date:
7 | 06/13/07

Description:
Northern half of GCL
Cap System swale
looking West



Action Needed:
Mowing and
grubbing

Photo No. | Date:
8 | 06/13/07

Description:
Eastern half of GCL
Cap System swale
looking South



Action Needed:
None



PHOTOGRAPHIC LOG

Client Name:
Honeywell Inc.

Site Location:
UOP Site, Bergen County, East Rutherford, NJ

Project
Number:
327386

Photo No. | Date:
9 | 06/13/07

Description:
Eastern half of GCL
Cap System looking
South



Action Needed:
Mowing

Photo No. | Date:
10 | 06/13/07

Description:
Eastern half of GCL
Cap System looking
North



Action Needed:
Mowing



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 11	Date: 06/13/07	 A wide-angle photograph of a large, open grassy field. The grass is green and appears to be blowing in the wind. In the background, there is a line of trees and some buildings under a cloudy sky.	
Description: Southern half of GCL Cap System looking West			
Action Needed: Mowing			
Photo No. 12	Date: 06/13/07	 A photograph of a grassy field, similar to the one above, but from a different angle. The grass is green and there are some weeds in the foreground. In the background, there are some buildings and a fence line.	
Description: Southern half of GCL Cap System looking East			
Action Needed: Mowing			



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 13	Date: 06/13/07		
Description: Southern half of GCL Cap System swale looking East			
Action Needed: None			
Photo No. 14	Date: 06/13/07		
Description: Southern half of GCL Cap System swale looking West			
Action Needed: Mowing and grubbing			



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 15	Date: 06/13/07		
Description: Western half of GCL Cap System swale looking North			
Action Needed: Mowing and grubbing			
Photo No. 16	Date: 06/13/07		
Description: Northern half of GCL Cap System looking East			
Action Needed: Mowing			





PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 17	Date: 06/13/07		
Description: Northern half of GCL Cap System looking West			
Action Needed: Mowing			

Photo No. 18	Date: 06/13/07	
Description: Rodent hole in Top of GCL Cap System		
Action Needed: Rodent controls/fill in		



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 19	Date: 06/13/07		
Description: Rodent hole West half of GCL Cap System			
Action Needed: Rodent controls/fill in			
Photo No. 20	Date: 06/13/07		
Description: Rodent holes West half of GCL Cap System			
Action Needed: Rodent controls/fill in			



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 21	Date: 06/13/07		
Description: Rodent hole West half of GCL Cap System			
Action Needed: Rodent controls/fill in			
Photo No. 22	Date: 06/13/07		
Description: Rodent hole at piping near front gate			
Action Needed: Rodent controls/fill in			




PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 23	Date: 06/13/07		
Description: Southern area outside of GCL Cap System Southern side looking East			
Action Needed: None			
Photo No. 24	Date: 06/13/07		
Description: Southern area outside of GCL Cap System Southern side looking West			
Action Needed: None			



PHOTOGRAPHIC LOG

Client Name: Honeywell Inc.		Site Location: UOP Site, Bergen County, East Rutherford, NJ	Project Number: 327386
Photo No. 25	Date: 06/13/07		
Description: Western area outside of GCL Cap System Western side looking North			
Action Needed: None			
Photo No. 26	Date: 06/13/07		
Description: Eastern area outside of GCL Cap System Eastern looking North			
Action Needed: None			